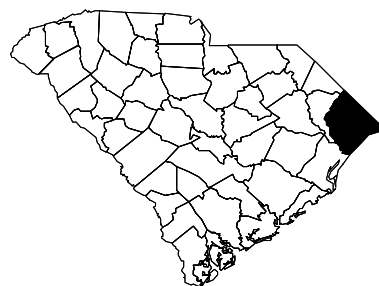


# IMPACT OF CHRONIC CONDITIONS HORRY County, 2001



In the year 2001, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, pneumonia, influenza, Alzheimer's disease, septicemia, nephritis, nephritic syndrome and nephrosis. This report focuses on the chronic conditions of the population of Horry county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Horry county's population is similar to the state population. The majority (39%) of the population in Horry county are between the ages of 18-44, and there are more females (51%) than males (49%). Horry county has a lower minority population (17%) than the state (31%). Horry county's population aged 65 and older (15%) is higher than the state (12%). When adults in Horry county were asked about their general health status, 85.5% reported having excellent, very good, or good health in 2001 (SC was 85%).

	<b>HORRY COUNTY</b>	<b>STATE</b>
<b>Population size</b>	202,425	4,063,011
<b>Age distribution (%)</b>		
<18	21	25
18-44	39	40
45-64	25	23
65-84	14	11
85+	1	1
<b>Race (%)</b>		
White	83	69
Black & Other	17	31
<b>Sex (%)</b>		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2001 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Horry county.

<b>RISK FACTOR</b>	<b>COUNTY (%)</b>	<b>STATE (%)</b>
Current smoking	36	26
Sedentary lifestyle	46	40
Overweight	54	57
High Cholesterol	28	28

Some preventive measures such as immunization were included in the 2001 SC BRFSS. For persons 65 years and older in South Carolina:

33.8% have not received the flu shot in the past 12 months

42.1% have never had the pneumonia vaccination

Hospital/ER data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	30	-	-	-	-	28.6
Number of hospitalizations	257	79	178	96	161	5,141
Standard rate of hospitalizations (per 100,000)	121	324	96	95	136	129
Median age of hospitalized patients	68	63	73	65	73	68
Total cost of hospitalization (\$)	2,994,100	936,100	2,058,000	1,172,400	1,821,700	69,702,200
Average length of hospital stay (days)	5	4	5	4	5	5
Number of ER visits	447	186	261	161	286	7,398
Standard rate of ER visits (per 100,000)	213	661	142	160	256	184
Median age of ER patients	58	48	68	53	58	53
Total cost of ER visits (\$)	320,600	139,100	181,500	116,700	203,900	5,124,800
Number of deaths*	11	1	10	3	8	336
Standard death rate (per 100,000)*	5	3	6	3	8	8

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.7					4.15
Number of hospitalizations	1,672	168	1,504	1,081	591	30,127
Standard rate of hospitalizations (per 100,000)	721	713	722	1,008	475	749
Median age of hospitalized patients	68	63	68	63	68	68
Total cost of hospitalization (\$)	45,685,400	3,780,300	41,905,100	30,601,600	15,083,800	803,069,600
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ER visits	158	25	133	102	56	2,753
Standard rate of ER visits (per 100,000)	71	100	68	98	46	69
Median age of ER patients	58	58	58	58	68	63
Total cost of ER visits (\$)	527,000	108,500	418,500	392,100	134,900	8,890,500
Number of deaths*	465	66	399	260	205	9,496
Standard death rate (per 100,000)*	230	205	238	262	199	233

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.33	-	-	-	-	2.45
Number of hospitalizations	799	127	672	390	409	14,626
Standard rate of hospitalizations (per 100,000)	360	532	338	382	336	374
Median age of hospitalized patients	73	58	73	68	73	73
Total cost of hospitalization (\$)	11,495,400	2,615,800	8,879,600	5,415,000	6,080,400	255,038,000
Average length of hospital stay (days)	5	8	5	5	6	6
Number of ER visits	152	28	124	71	81	2,754
Standard rate of ER visits (per 100,000)	69	121	64	74	67	70
Median age of ER patients	73	68	73	73	73	73
Total cost of ER visits (\$)	268,700	56,900	211,800	125,600	143,100	5,239,900
Number of deaths*	128	21	107	41	87	2,829
Standard death rate (per 100,000)*	63	65	64	41	84	70

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	876	162	714	390	486	15,100
Standard rate of hospitalizations (per 100,000)	402	572	366	386	416	377
Median age of hospitalized patients	63	43	68	63	63	58
Total cost of hospitalization (\$)	10,944,600	1,388,900	9,555,700	4,988,900	5,955,700	159,179,500
Average length of hospital stay (days)	5	4	5	5	5	5
Number of ER visits	2,323	869	1,454	1,056	1,267	42,599
Standard rate of ER visits (per 100,000)	1,182	2,446	883	1,096	1,269	1,053
Median age of ER patients	33	23	38	28	33	33
Total cost of ER visits (\$)	1,310,600	428,500	882,100	633,100	677,500	24,732,100
Number of deaths*	111	5	105	55	56	1,728
Standard death rate (per 100,000)*	55	16	63	55	54	43

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	7.88	-	-	-	-	8.13
Number of hospitalizations	414	154	260	224	190	8,620
Standard rate of hospitalizations (per 100,000)	193	573	139	216	166	213
Median age of hospitalized patients	53	53	58	53	58	53
Total cost of hospitalization (\$)	4,777,700	1,785,100	2,992,600	2,511,400	2,266,300	115,143,100
Average length of hospital stay (days)	5	6	5	5	5	6
Number of ER visits	321	154	167	155	166	8,748
Standard rate of ER visits (per 100,000)	149	601	91	151	142	217
Median age of ER patients	53	53	53	53	63	53
Total cost of ER visits (\$)	265,400	120,000	145,400	128,800	136,600	6,417,300
Number of deaths*	51	17	34	24	27	1,089
Standard death rate (per 100,000)*	25	53	20	24	26	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1,226	218	1,008	470	756	24,857
Standard rate of hospitalizations (per 100,000)	547	838	506	444	657	618
Median age of hospitalized patients	63	53	63	68	53	58
Total cost of hospitalization (\$)	23,132,500	3,618,800	19,513,700	10,716,300	12,416,200	528,562,000
Average length of hospital stay (days)	5	5	5	6	5	6
Number of deaths*	450	48	401	250	200	8,262
Standard death rate (per 100,000)*	222	149	239	252	194	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	105	11	94	57	48	2,057
Standard rate of hospitalizations (per 100,000)	46	47	46	54	38	52
Median age of hospitalized patients	68	63	68	68	70	68
Total cost of hospitalization (\$)	3,366,500	349,800	3,016,700	1,871,300	1,495,200	65,269,600
Average length of hospital stay (days)	10	11	10	10	10	10
Number of deaths*	32	4	28	15	17	818
Standard death rate (per 100,000)*	16	12	17	15	17	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	66	7	59	.	66	1,650
Standard rate of hospitalizations (per 100,000)	28	27	28	.	52	41
Median age of hospitalized patients	68	58	68	.	68	63
Total cost of hospitalization (\$)	747,700	79,000	668,700	.	747,700	19,973,100
Average length of hospital stay (days)	3	2	3	.	3	2
Number of deaths*	39	9	30	-	39	595
Standard death rate (per 100,000)*	19	28	18	-	38	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	14	1	13	.	14	255
Standard rate of hospitalizations (per 100,000)	6	4	7	.	12	6
Median age of hospitalized patients	45	63	43	.	45	48
Total cost of hospitalization (\$)	320,300	78,100	242,200	.	320,300	3,859,300
Average length of hospital stay (days)	5	18	4	.	5	4
Number of deaths*	2	-	2	.	2	69
Standard death rate (per 100,000)*	2	-	1	.	2	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	129	13	116	74	55	2,294
Standard rate of hospitalizations (per 100,000)	53	71	52	69	42	57
Median age of hospitalized patients	68	78	68	68	68	68
Total cost of hospitalization (\$)	3,313,500	392,800	2,920,700	2,038,500	1,275,000	60,724,100
Average length of hospital stay (days)	8	11	7	8	7	8
Number of deaths*	154	10	143	90	64	2,543
Standard death rate (per 100,000)*	76	31	85	91	62	63

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	84	17	67	84	.	1,335
Standard rate of hospitalizations (per 100,000)	33	73	28	71	.	33
Median age of hospitalized patients	68	63	68	68	.	68
Total cost of hospitalization (\$)	1,211,900	283,800	928,100	1,211,900	.	21,303,500
Average length of hospital stay (days)	3	4	3	3	.	4
Number of deaths*	21	4	17	21	.	499
Standard death rate (per 100,000)*	21	12	10	21	.	25

\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

#### For more information about

##### Chronic diseases in South Carolina contact:

Patsy Myers, RD, MS, DrPH  
Bureau of Epidemiology  
SC Department of Health and Environmental Control  
1800 St. Julian Place, Suite 406  
Columbia, SC 29204  
Tel (803) 545-4920

##### Hospital discharges and ER visits, contact:

Sandra Kelly  
Office of Research and Statistics  
SC Budget and Control Board  
1919 Blanding Street  
Columbia, SC 29201  
(803) 898-9958  
[skelly@ors.state.sc.us](mailto:skelly@ors.state.sc.us)

